

**A METHOD FOR DYNAMICALLY ALLOCATING A DEVICE IN  
AN LPAR SYSTEM**

**ABSTRACT OF THE DISCLOSURE**

5           When resources are reported missing within a system they are logged in a system  
error log. Specifically, resources that are missing because they have been reassigned  
from one logical partition (LPAR) within the system to another LPAR are tagged. When  
diagnostics are run to resolve missing resources, the resource reconfiguration database  
is queried for all resources that were assigned to LPARs and now are reported as missing  
10       and a missing resource List is created. The system error log is searched for resources that  
are tagged as missing because of reassignment. Any tagged resource and associated child  
resources of the tagged resource are removed from the missing resource List thereby  
updating the List. Normal missing resource resolution procedures are run against the  
updated missing resource List.

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